

RECEIVED

SEP 17 2002

Page 1 of 6

TECH CENTER 1600/2900



ENTERED

1600

## RAW SEQUENCE LISTING

DATE: 09/11/2002

PATENT APPLICATION: US/09/383,579B

TIME: 10:38:41

Input Set : A:\2531-1-001revised.ST25.txt

Output Set: N:\CRF4\09112002\I383579B.raw

3 <110> APPLICANT: Burrell, Michael M.  
4 Cambridge, Amanda P.  
5 Maunders, Martin J.  
6 McQueen-Mason, Simon  
8 <120> TITLE OF INVENTION: Modification of Plant Fibres  
10 <130> FILE REFERENCE: 2531-1-001  
12 <140> CURRENT APPLICATION NUMBER: 09/383,579B  
13 <141> CURRENT FILING DATE: 1999-08-25  
15 <150> PRIOR APPLICATION NUMBER: UK 9818808.9  
16 <151> PRIOR FILING DATE: 1998-08-29  
18 <160> NUMBER OF SEQ ID NOS: 8  
20 <170> SOFTWARE: PatentIn version 3.1  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 488  
24 <212> TYPE: DNA  
25 <213> ORGANISM: eucalyptus grandis  
27 <400> SEQUENCE: 1  
28 atggggggggg cttgtgggta tggcaacctg tacagccaag gctatggcac caacactgca 60  
30 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg 120  
32 tgcaacgacg accccaggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt 180  
34 tgccctccca acttggccct ctccaacgac aattgcggct ggtgcaaccc ccctctccag 240  
36 cacttcgata tggccgagcc tgctttcttg cagattgccc agtaciaaagc tgggattgtc 300  
38 caggtttccct tcagaagggt tccgtgtgtg aagaaaggag gggtaagggt caccatcaat 360  
40 gggcactcct acttcaactt ggtgctgatc accaactgtg gaggtgctg tgatgtccat 420  
42 tccgtttcca tcaagggtc gaggactggt tggcaagcca tgtcaaggaa ctggggcaaa 480  
44 aactggca 488  
47 <210> SEQ ID NO: 2  
48 <211> LENGTH: 475  
49 <212> TYPE: DNA  
50 <213> ORGANISM: eucalyptus grandis  
52 <400> SEQUENCE: 2  
53 atggggggggg catgcgggta tggcaacctg tacagccaag gctatggcac caacactgca 60  
55 gctttgagca ctgccctgtt caacaatggc ctgagctgcg gggcatgtta cgagatgcgg 120  
57 tgcaacgacg accccaggtg gtgcctcccg gggaccatca tggtcacggc aaccaacttt 180  
59 tgccctccca acttggccct ctccaacgac aatggcggct ggtgcaaccc ccctctccag 240  
61 cacttcgata tggccgagcc tgctttcttg cagattgccc agtaciaaagc tgggattgtc 300  
63 ccggtttccct tcagaagggt tccgtgtgtg aagaaaggag gggtaagggt caccatcaat 360  
65 gggcactcct acttcagctg tgggtgctgat caccaactgt ggaggtgctg gtgatgtcca 420  
67 ttccgtttcc atcaagagct cgaggactgg ttggcaagcc atgtcaaggaa attga 475  
70 <210> SEQ ID NO: 3  
71 <211> LENGTH: 494  
72 <212> TYPE: DNA  
73 <213> ORGANISM: eucalyptus grandis

## RAW SEQUENCE LISTING

DATE: 09/11/2002

PATENT APPLICATION: US/09/383,579B

TIME: 10:38:41

Input Set : A:\2531-1-001revised.ST25.txt

Output Set: N:\CRF4\09112002\I383579B.raw

```

75 <400> SEQUENCE: 3
76 atggggggg catgtggtta cggggacctt cacagggcca cctatggcaa gtacagtgcc      60
78 ggcttgagct cgatgctgtt caacagaggg agtacctgcg gggcttgctt cgagctccgg      120
80 tgcgtcgacc acattttgtg gtgcctccct ggtagcccggt cggtgatcct caccgccacc      180
82 gacttctgcc ctccgaacta cgggctcgcg gcagattacg gcgggtggtg caacttcccc      240
84 caggagcact togagatgtc ggagcgggcc ttccgcgaga ttgcggtgcg aagggtgat      300
86 gtggtgccta tccagtacag gaggtgaac tgtctgagaa gcggtggtct gagattcaca      360
88 ttgagcggaa actctcactt ctttcaggtc ttggtgacga atgtaggcct agatggggag      420
90 gtgattgcca tgaatatgaa gggatcgaaa acaggggtgga taccgatggc aagaaactgg      480
92 ggcaaaaact ggca
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 437
97 <212> TYPE: DNA
98 <213> ORGANISM: eucalyptus grandis
100 <400> SEQUENCE: 4
101 atggggttgc accgggtcct tgatcctttg atggccacgg agtgcacatc ccctgctccg      60
103 ccgacattgg ttatgagcac gaggttgaaa taagaatggc cgttgacggt gaaccggatc      120
105 cctccgcttc tctgcacct cactcttcgg taggccaccg ggacgatccc ggccctgtac      180
107 tgcgcaatgt gctggaagac cggctgggag aggtcgaaat ggagttgagg agggtcgcac      240
109 caccctcctg gagggcgaaa gttggtcgcc gtgaccacaa tggcgcccgg gaggcaccac      300
111 tgcgggtcgt tcacgcaccg gagctcaaag cacgcgccgc agctcagccc attggtgaac      360
113 aatgcagtgc tcagtgcagc tgtgtttgtg ccgtaccctt ggctgtatag attcccataa      420
115 ccacacgccc ccccat
118 <210> SEQ ID NO: 5
119 <211> LENGTH: 437
120 <212> TYPE: DNA
121 <213> ORGANISM: eucalyptus grandis
123 <400> SEQUENCE: 5
124 atggggttgc accgggtcct tgatcctttg atggccacgg agtgcacatc ccctgctccg      60
126 ccgacattgg ttatgagcac gaggttgaaa taagaatggc cgttgacggt gaaccggatc      120
128 cctccgcttc tctgcacct cactcttcgg taggccacag ggacgatccc ggccctgtac      180
130 tgcgcaatgt gctggaagac aggtcgaaat ggagttgagg agggtcgcac      240
132 caccctcctg gagggcgaaa gttggtcgcc gtgacaacaa tggcgcccgg gaggcaccac      300
134 tgcgggtcgt tcacgcaccg gagctcaaag cacgcgccgc agctcagccc attggtgaac      360
136 aatgcagtgc tcagtgcagc tgtgtttgtg ccgtaccctt ggctgtatag attcccataa      420
138 ccacacgccc ccccat
141 <210> SEQ ID NO: 6
142 <211> LENGTH: 448
143 <212> TYPE: DNA
144 <213> ORGANISM: eucalyptus grandis
146 <400> SEQUENCE: 6
147 ccttgacatg gtctgccacc ttgtccgcga acccttcacg gcgaccgagt tgacgttgcc      60
149 tgcgcgcgcg acgtttgtga cgaggacgag cttgaagtat gagttgccgt tgatggtgaa      120
151 ccggatgcct cctctcctcc tgcacgtcac cctcctgtac gcaacgtgga cgatgccggc      180
153 tcggtaacttg gcaatgtgct ggaagacggg ctgggagatg tcgaagtggg gttggggcgg      240
155 gttgcaccat ccgcgcgctg tgtttgggag ggcgttgttt ggcgggcaga agtttgtggc      300
157 ggtgacgacg atggagccgc ccaggcacca ctttcgcgtg ttacgcaccc ggatctcgaa      360
159 gcacgacccc cagctcagcc cgttttttaa cagcgccgtg ctcagcgccg ccgtgttcgt      420
161 accgtagccc tggctgtaca ggttgccc

```

## RAW SEQUENCE LISTING

DATE: 09/11/2002

PATENT APPLICATION: US/09/383,579B

TIME: 10:38:41

Input Set : A:\2531-1-001revised.ST25.txt

Output Set: N:\CRF4\09112002\I383579B.raw

164 <210> SEQ ID NO: 7  
 165 <211> LENGTH: 19  
 166 <212> TYPE: DNA  
 167 <213> ORGANISM: eucalyptus grandis  
 169 <220> FEATURE:  
 170 <221> NAME/KEY: misc\_feature  
 171 <222> LOCATION: (8)..(8)  
 172 <223> OTHER INFORMATION: n represents inosine  
 175 <220> FEATURE:  
 176 <221> NAME/KEY: misc\_feature  
 177 <222> LOCATION: (5)..(5)  
 178 <223> OTHER INFORMATION: n represents inosine  
 181 <220> FEATURE:  
 182 <221> NAME/KEY: misc\_feature  
 183 <222> LOCATION: (11)..(11)  
 184 <223> OTHER INFORMATION: n represents a, g, t, or c  
 187 <220> FEATURE:  
 188 <221> NAME/KEY: misc\_feature  
 189 <222> LOCATION: (17)..(17)  
 190 <223> OTHER INFORMATION: n represents a, g, t, or c  
 193 <400> SEQUENCE: 7

W--&gt; 194 atggnggngc ntgtggnta

19

197 <210> SEQ ID NO: 8  
 198 <211> LENGTH: 20  
 199 <212> TYPE: DNA  
 200 <213> ORGANISM: eucalyptus grandis  
 202 <220> FEATURE:  
 203 <221> NAME/KEY: misc\_feature  
 204 <222> LOCATION: (12)..(12)  
 205 <223> OTHER INFORMATION: n = a, g, t, or c  
 208 <220> FEATURE:  
 209 <221> NAME/KEY: misc\_feature  
 210 <222> LOCATION: (9)..(9)  
 211 <223> OTHER INFORMATION: y = t or c  
 214 <220> FEATURE:  
 215 <221> NAME/KEY: misc\_feature  
 216 <222> LOCATION: (6)..(6)  
 217 <223> OTHER INFORMATION: r = a or g  
 220 <220> FEATURE:  
 221 <221> NAME/KEY: misc\_feature  
 222 <222> LOCATION: (18)..(18)  
 223 <223> OTHER INFORMATION: r = a or g  
 226 <400> SEQUENCE: 8

W--&gt; 227 tgccarttyt gnccccartt

20

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 09/11/2002  
PATENT APPLICATION: US/09/383,579B      TIME: 10:38:42

Input Set : A:\2531-1-001revised.ST25.txt  
Output Set: N:\CRF4\09112002\I383579B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 5,8,11,17

Seq#:8; N Pos. 12

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/383,579B

DATE: 09/11/2002

TIME: 10:38:42

Input Set : A:\2531-1-001revised.ST25.txt

Output Set: N:\CRF4\09112002\I383579B.raw

L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0